

UHER

RECEIVER

RG350

**STEREO
SYNTHESIZER
RECEIVER**



SERVICE MANUAL

CONTENTS

SPECIFICATIONS	1, 2
BLOCK DIAGRAM	2
DISASSEMBLY	3
ALIGNMENT PROCEDURES	4, 5
ALIGNMENT COMPONENTS LAYOUT	6
P.C. BOARD	7 ~ 11
CIRCUIT DIAGRAM	12, 13
PARTS LIST	14 ~ 16

SPECIFICATIONS

AUDIO SECTION

Sensitivity

Input: 1000Hz	
Phono(MM)(at Rec out)	3.0mV/50kΩ/220pF
Aux	150mV/50kΩ/2200pF
Tape monitor	150mV/50kΩ/2200pF
Sensitivity channel difference . .	±2dB
Output power	38W

Input: Aux	
Output: 0.08%THD at 8Ω	
50-20000Hz continuous	
both ch. driven	

Headphone output

Input: 1000Hz	480mV/8Ω
Phono 3.0mV Aux 150mV	
Output: At speaker output	

Rec. output

Input: 1000Hz	150mV/100kΩ
Aux 150mV	150mV/100kΩ
(At speaker output with	
Volume: 3.5W)	

IM Distortion factor

Input: Aux 70Hz: 7000Hz/4:1	
Output: 35W(47Vp-p)	0.03%
Sinus power (1kHz)	
at 8Ω 0.08%THD	46W
both ch. driven	
Music power	
at 8Ω 10%THD	88W
at 4Ω 10%THD	106W
F.T.C. power (50-20000Hz)	
at 8Ω 0.08%THD	38W

Frequency response

Input: Aux, Tape monitor	
Output: 1000Hz 36W -6dB	
from Volume max. ±3dB	10 - 35,000Hz

Phono mag equalizer response

Input: Phono	
Output: RIAA ± 1.0dB	30 - 20,000Hz

Tone control action

Input: Aux	
Output: 1000Hz 0.775V	
Boost: 100/10000Hz	+9.0dB
Cut: 100/10000Hz	-9.0dB

Loudness control action

Input: Aux 150mV	
Output: -30dB Att. from	
Volume max. (Loudness	
switch: on)	
100Hz	+9dB
10000Hz	+6dB

Maximum input signal

Input: 1000Hz	
Output: 3.5W	
Phono	130mV
Aux	4.0V
Tape monitor	4.0V

Low & High filter

Input: Aux 20Hz, 10kHz	
Output: 35W -6dB from	
Volume max. (filter switch:	
on)	-6dB

Signal to noise ratio

(IHF-A Network)	
Phono Input: 5mV	
Output: Tape out	78dB

Aux: Input short	92 dB
Tape monitor: input short . . .	92dB

Residual noise	0.5mV
----------------	-------

Damping factor

Input: Aux 1000Hz	
Output: 3.5W	30 -
Volume control tracking error . .	4dB

Crosstalk

Output: 3.5W (with Volume)	
Aux: Input/150mV	
1000Hz	60dB
20kHz	33dB
Phono input/3.0mV	
1000Hz	55dB

Output level difference	3dB
-----------------------------------	-----

Input: 1000Hz

Aux: 150mV

Phono 3.0mV

Output: 10' clock position of	
volume control	

AM SECTION

Tuning cover range	522 - 1611kHz
------------------------------	---------------

IHF usable sensitivity	250μV/m
at 1000kHz	

Signal to noise ratio	42dB
---------------------------------	------

Input: 5mV/m

IHF selectivity ±9kHz	36dB
---------------------------------	------

Input: 1000kHz

AGC figure of merit	48dB
-------------------------------	------

Input: 1000kHz, 10mV/m

THD	0.5%
---------------	------

Input: 1000kHz, 5mV/m

IF rejection at 1000kHz	58dB
-----------------------------------	------

Image-rejection at 1000kHz

40dB	
------	--

Frequency response

-3dB	
------	--

Input 1000kHz 5mV/m

80 - 2000Hz	
-------------	--

Whistle modulation of 2nd or 3rd

2 IF 500μV/m to 10mV/m . . .	15%
------------------------------	-----

5mV/m	8%
-----------------	----

3 IF 500μV/m to 10mV/m . . .	10%
------------------------------	-----

5mV/m	5%
-----------------	----

FM SECTION

Tuning cover range 87.5 – 108MHz
 Usabale sensitivity for 26dB S/N . 1 μ V
 (Antenna 75 Ω 40kHz dev.)
 50dB Quieting 2.5 μ V
 Signal to Noise Ratio 75dB
 Input 1.1mV 98MHz
 Audio frequency response 40 – 15000Hz
 Input 1.1mV 98MHz
 THD 0.1%
 Input 1.1mV 98MHz
 Capture ratio 2dB
 Input 1.1mV 98MHz
 IHF adjacent channel selectivity 70dB
 Input 110 μ V 98MHz
 Spurious response 60dB
 Input 1.1mV 98MHz
 Frequency 10 – 200MHz
 (Except generator harmonics)
 IF rejection 90dB
 at 90MHz
 Image rejection 45dB
 at 106MHz
 AM suppression 55dB
 AM: 400Hz 30% mod.
 Input 1.1mV 98MHz
 FM muting sensitivity 10 μ V

Input 98MHz

Output 20dB Attenuation

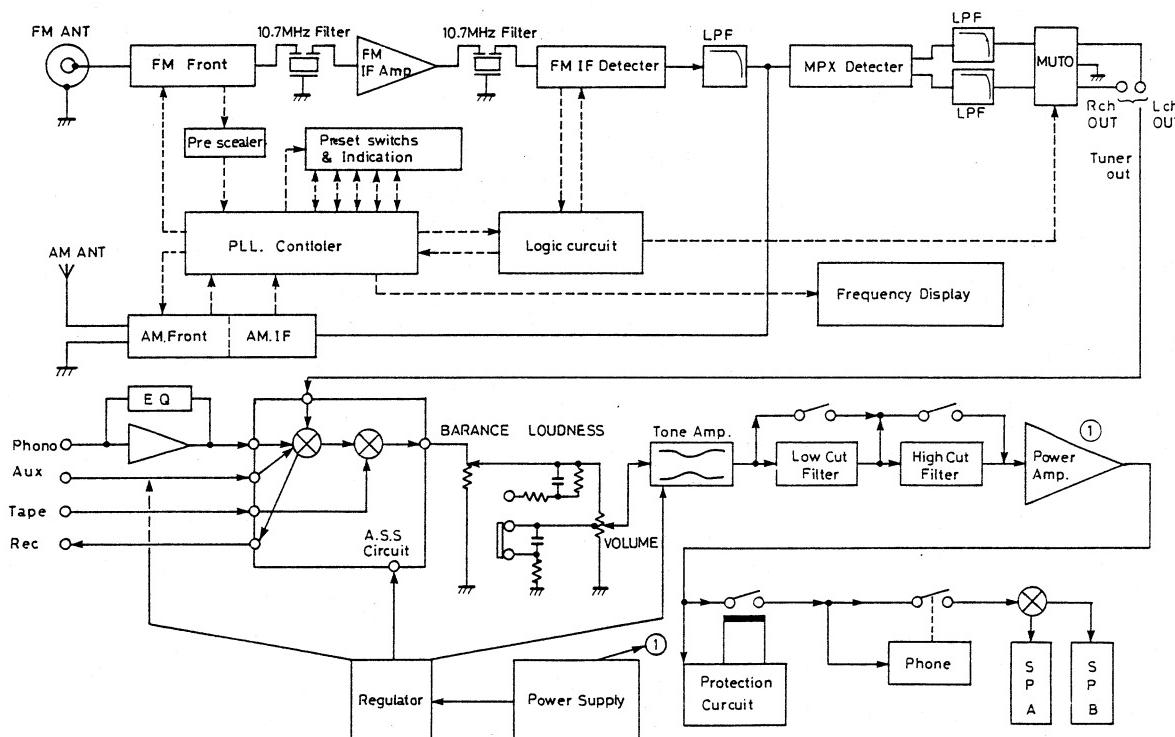
FM MPX SECTION

50dB Quieting 50 μ V
 Stereo distortion 0.2%
 (without 19 & 38kHz)
 Input 1.1mV 98MHz
 Stereo indicator sensitivity 10 μ V
 Input 98MHz
 Separation
 (without 19 & 38kHz)
 Input 1.1mV 98MHz
 1000Hz 45dB
 10kHz 35dB
 Channel gain difference 0.5dB
 Subcarrier product ratio 50dB
 Input 1.1mV 98MHz
 SCA suppression 60dB

GENERAL

Maximum power consumption . 380W
 AC power supply 220V 50Hz
 Weight and Dimensions (Approx.)
 Net weight 7.0kg
 Gross weight 8.0kg
 Dimension (W/H/D) 422/115/347mm

Specifications and design are subject to change without notice.

BLOCK DIAGRAM

DISASSEMBLY

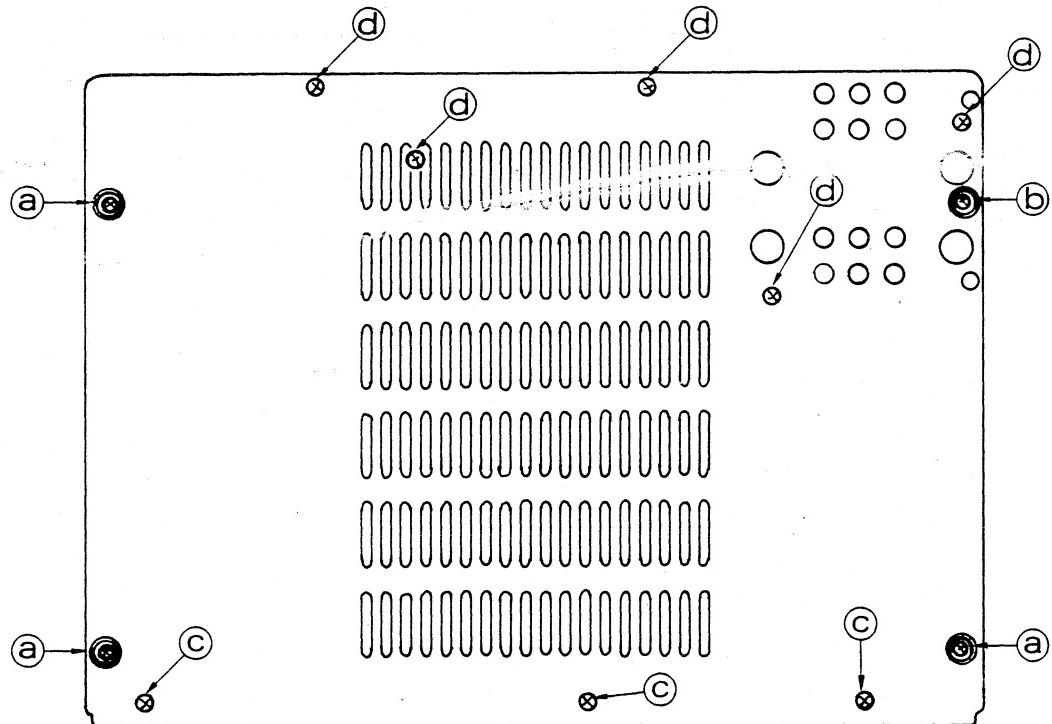
1. CABINET REMOVAL

- a. Remove 4 screws from both sides of the cabinet. (TSB+40x08-N)
- b. Remove a screw from rear of the cabinet. (TSC+30x08-N)
- c. Lift the cabinet away from the unit.

2. BOTTOM BOARD REMOVAL

(cf. below)

- a. Remove 3 screws with foot from bottom board. (TSB+40x14-Y)
- b. Remove a screw with foot from bottom board. (TSC+30x08-N)
- c. Remove 3 screws from front side of bottom board. (TPS+30x08-N)
- d. Remove 5 screws from bottom board. (TSC+30x08-N)



ALIGNMENT PROCEDURE

Condition

AM

1. Modulation: 1kHz at 30%
2. Generator output is terminated in an IRE Loop 24 inch spacing.

FM

1. Connect signal generator to FM ext. antenna terminal through 75Ω unbalanced dummy antenna.
2. Modulation: 1kHz 75kHz deviation.
3. FM muting switch: OFF

FM MPX

Modulation: 1kHz L or R channel only.

Main carrier (L + R) 33.7kHz deviation

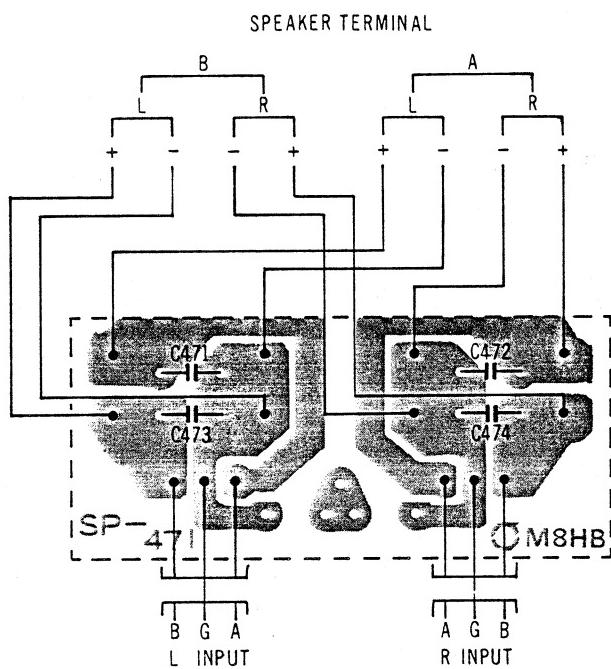
Sub carrier (L - R) 33.7kHz deviation

19kHz pilot 7.5kHz deviation

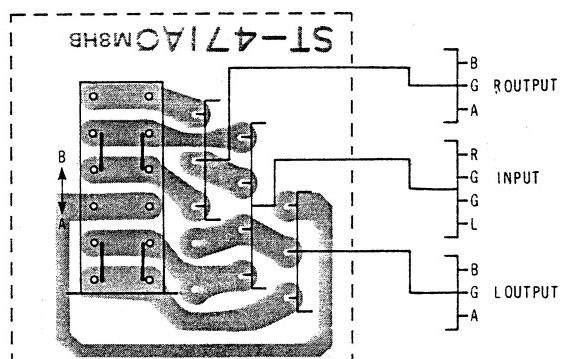
Step	Signal, Sweep Generator		Tuner IND Setting	Output Indicator Connection	Adjustor	Adjust for				
	Connection	Frequency								
AM IF										
1	Set the FUNCTION Selector to "AM".									
2	To IRE Loop placed at a distance of 60cm from built-in bar-antenna	452kHz	Low end	IF sweep generator TP (R253)	T251 T250	Flat and max.				
AM TUNING VOLTAGE										
3			522kHz	digital voltmeter TP (R411)	T201	2.7V				
4			1611kHz	SAME AS STEP (3)	CT202	20.0V				
5	Repeat steps (3) and (4).									
AM RF										
6	SAME AS STEP (2)	603kHz	603kHz	RF sweep generator TP (R253)	L201	Max.				
7	SAME AS STEP (2)	1404kHz	1404kHz	SAME AS STEP (6)	CT201	Max.				
8	Repeat steps (6) and (7).									
AM TUNED										
9	SAME AS STEP (2)	999kHz (66dB)	999kHz	TUNED IND.	SVR251	all segments just light up				
FM TUNING VOLTAGE										
10	Set the FUNCTION selector to "FM".									
11			87.5MHz	digital voltmeter TP (R411)	L103	3.9V				
12			108.0MHz	SAME AS STEP (11)	CT103	25.0V				

Step	Signal, Sweep Generator		Tuner IND Setting	Output Indicator Connection	Adjustor	Adjust for
	Connection	Frequency				
	FM IF					
13			98MHz	frequency counter TP (R155)	CT431	108.700MHz
14	To FM antenna terminal through 75Ω dummy	98MHz (60dB)	98MHz	digital voltmeter TP (R155)	T151 (1)	0±0.005V
15	SAME AS STEP (14)			distortion meter output terminals	T151 (2)	Min. distortion
16	Repeat steps (14) and (15)					
	FM RF					
17	SAME AS STEP (14)	90MHz	90MHz	RF sweep generator TP (R154)	L101 L102 T101	Max.
18	SAME AS STEP (14)	106MHz	106MHz	SAME AS STEP (17)	CT101 CT102 T101	Max.
19	Repeat steps (17) and (18).					
	FM SIGNAL LEVEL					
20	SAME AS STEP (14)	98MHz (46dB)	98MHz	SIGNAL METER	SVR202	All segments just light up
	FM MUTING LEVEL					
21	SAME AS STEP (14)	98MHz (25dB)	98MHz	Scope Output terminals	SVR201	Output wave disappears (MODE SW at pro- truded position)
	FM MPX/STEREO SEPARATION					
22				Frequency counter TP4 (R403)	SVR401	19±0.05kHz
23	SAME AS STEP (14)	98MHz (60dB)	98MHz	VTVM Output terminals	SVR402	Min.

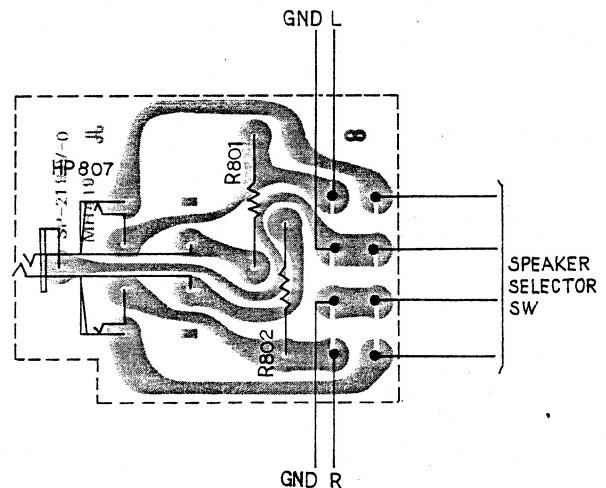
SP. TERMINAL P.C. BOARD



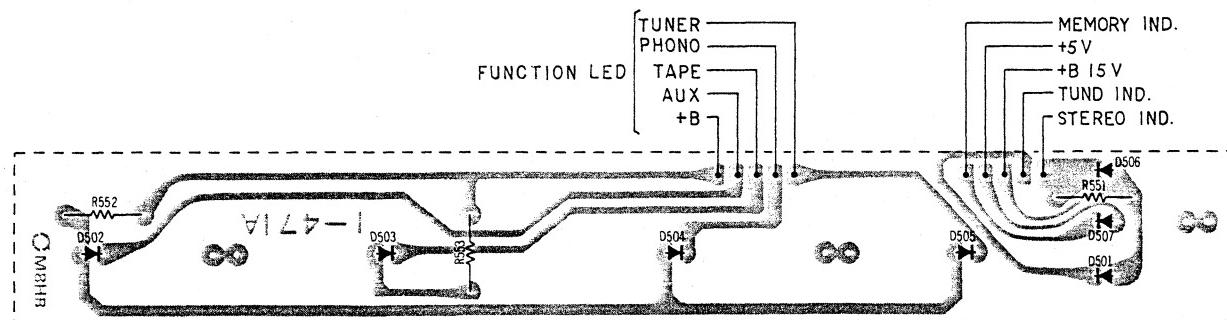
SP. SW. P.C. BOARD



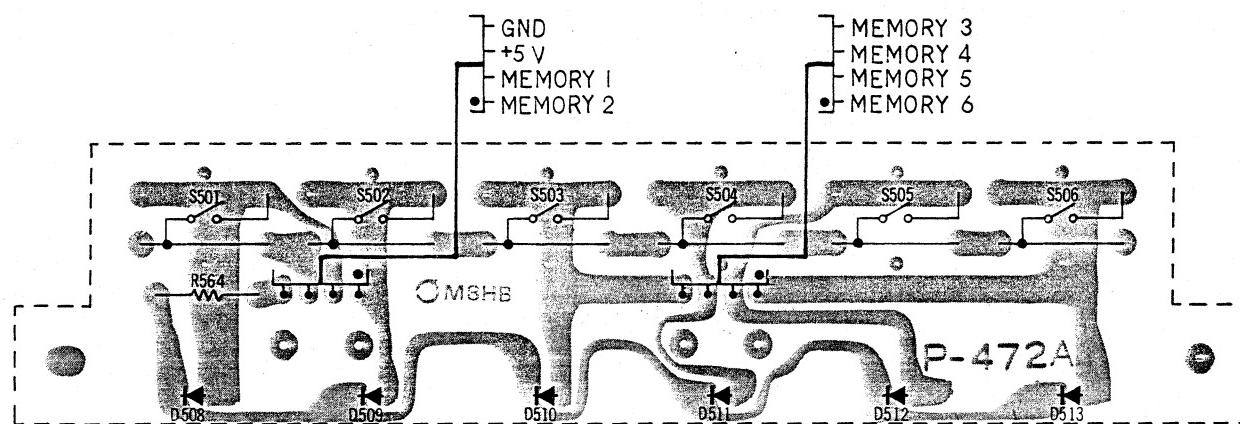
HP. P.C. BOARD



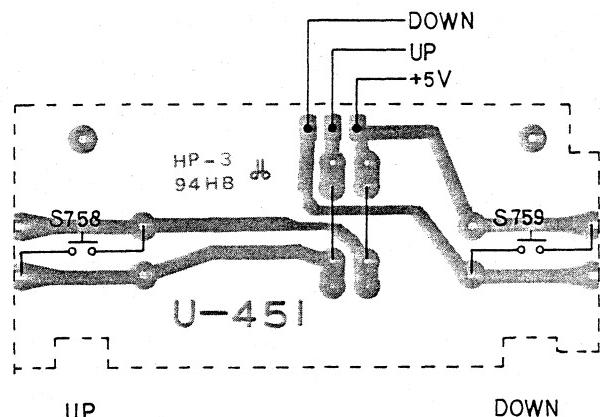
FUNCTION LED P.C. BOARD



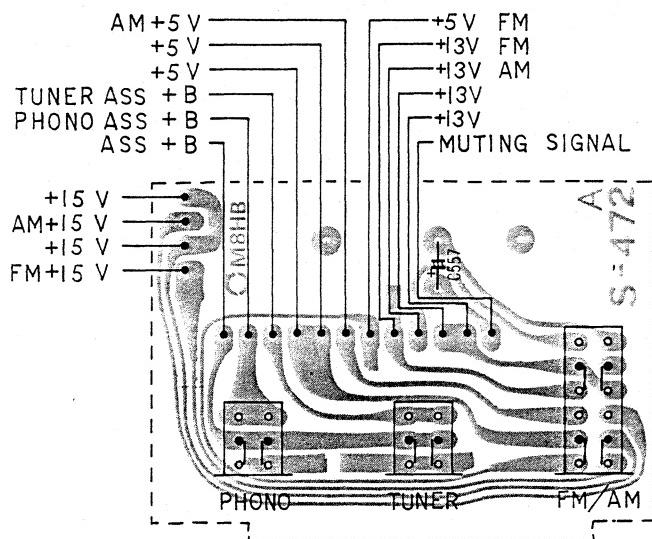
PRESET SW. P.C. BOARD



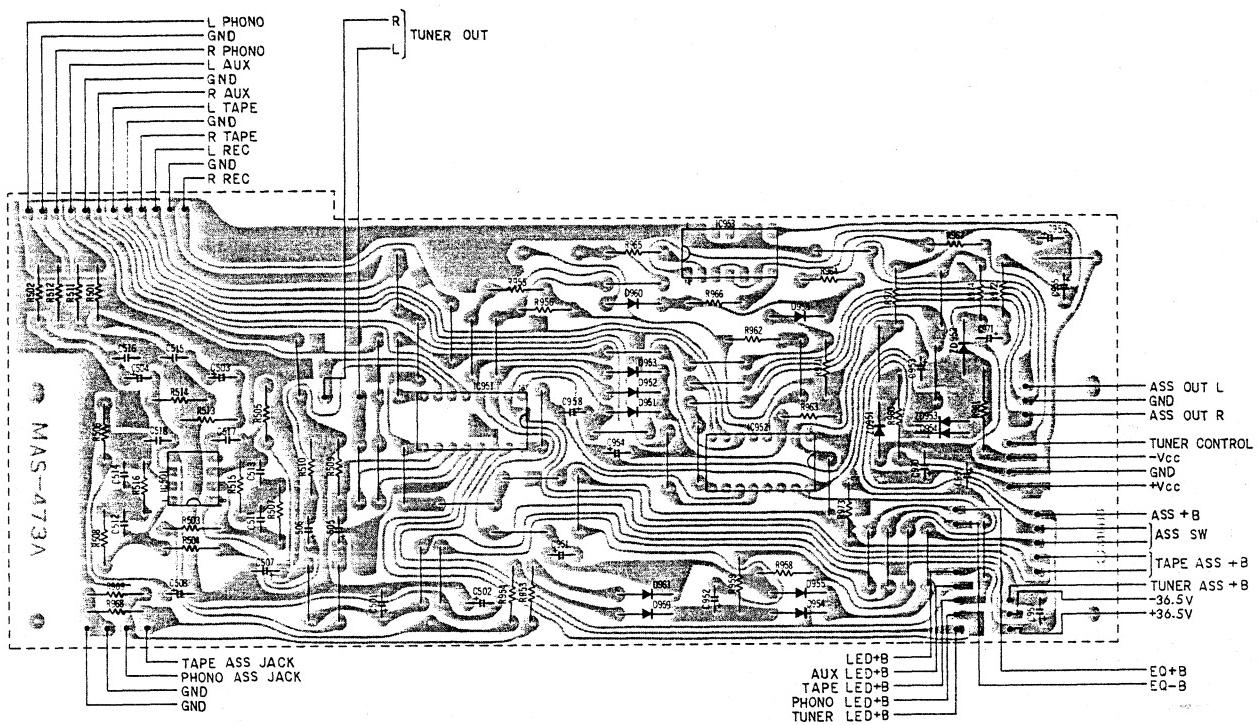
UP-DOWN P.C. BOARD



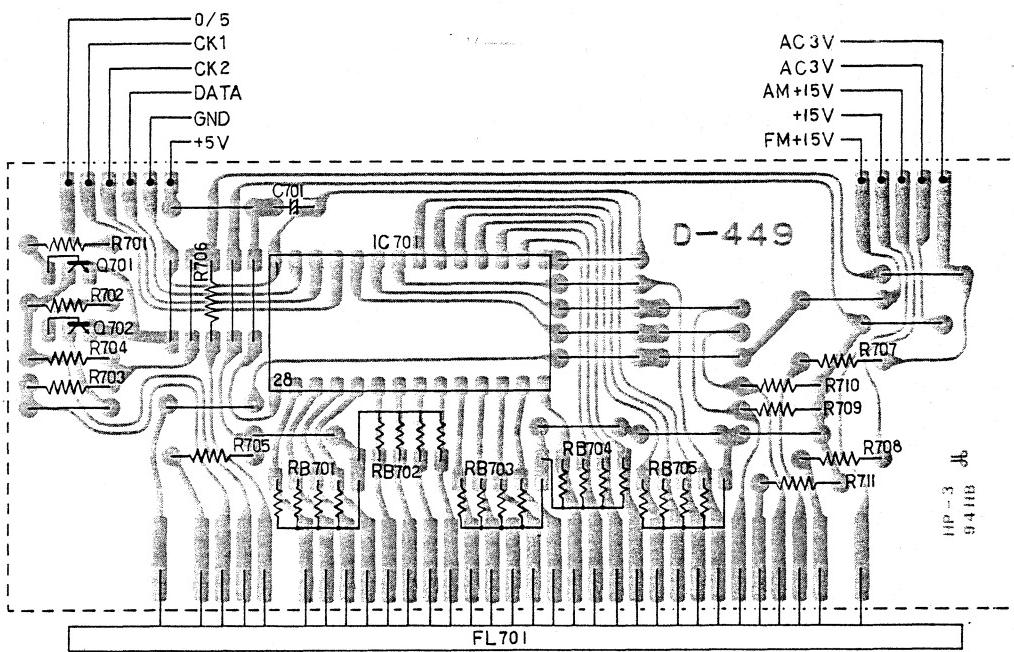
FUNCTION SW. P.C. BOARD



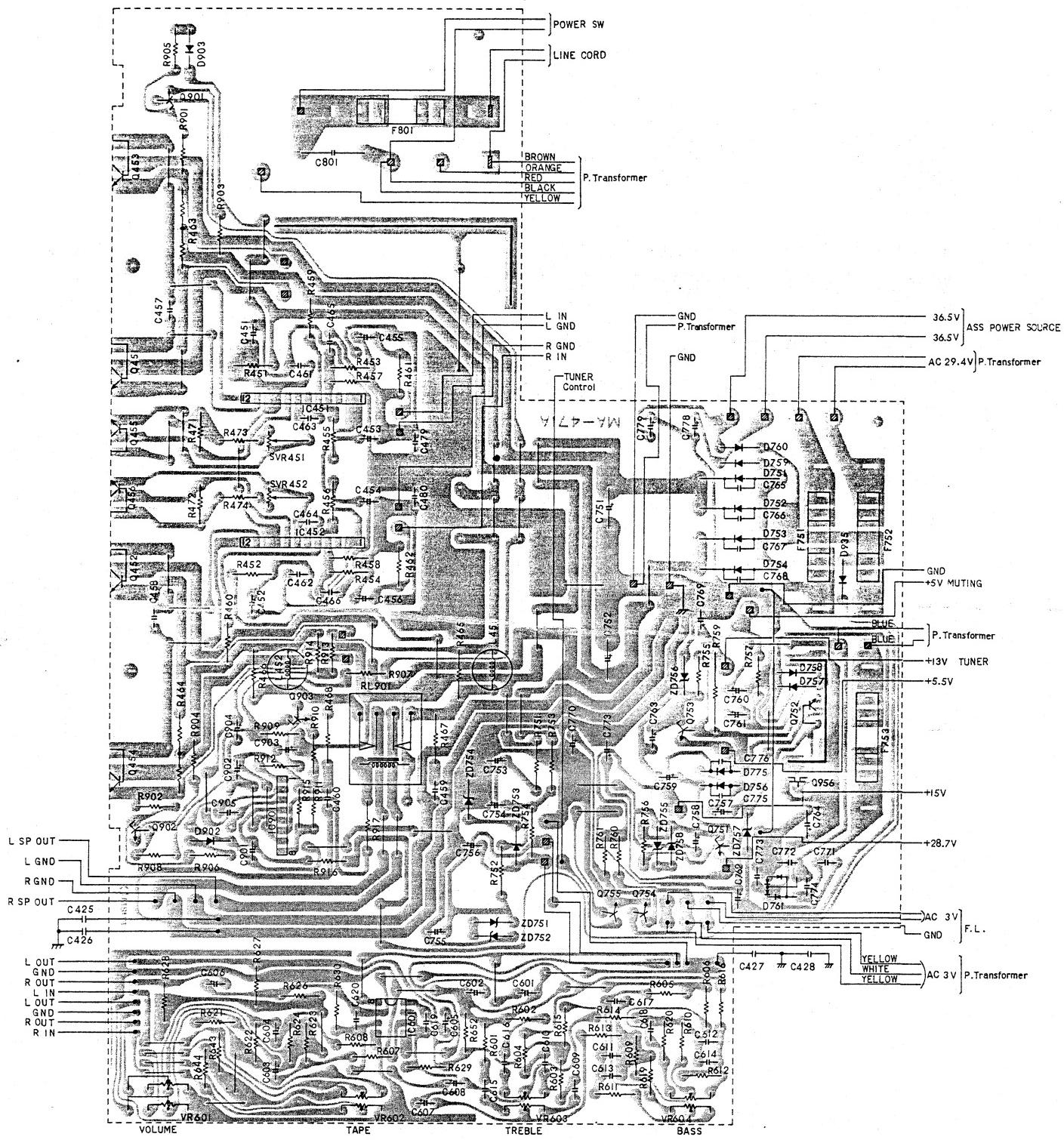
AUTO SWITCHING SYSTEM P.C. BOARD



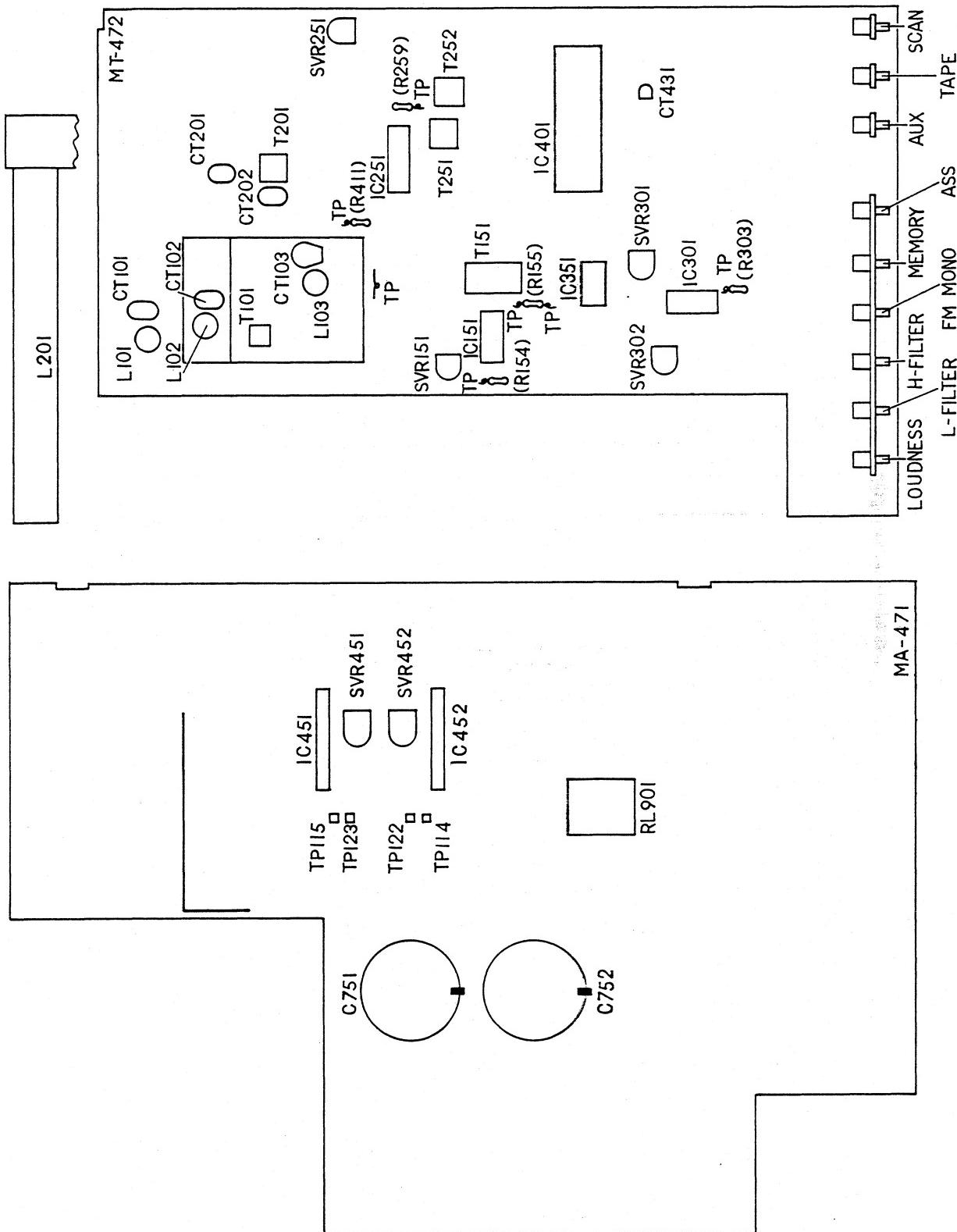
FREQUENCY DISPLAY P.C. BOARD



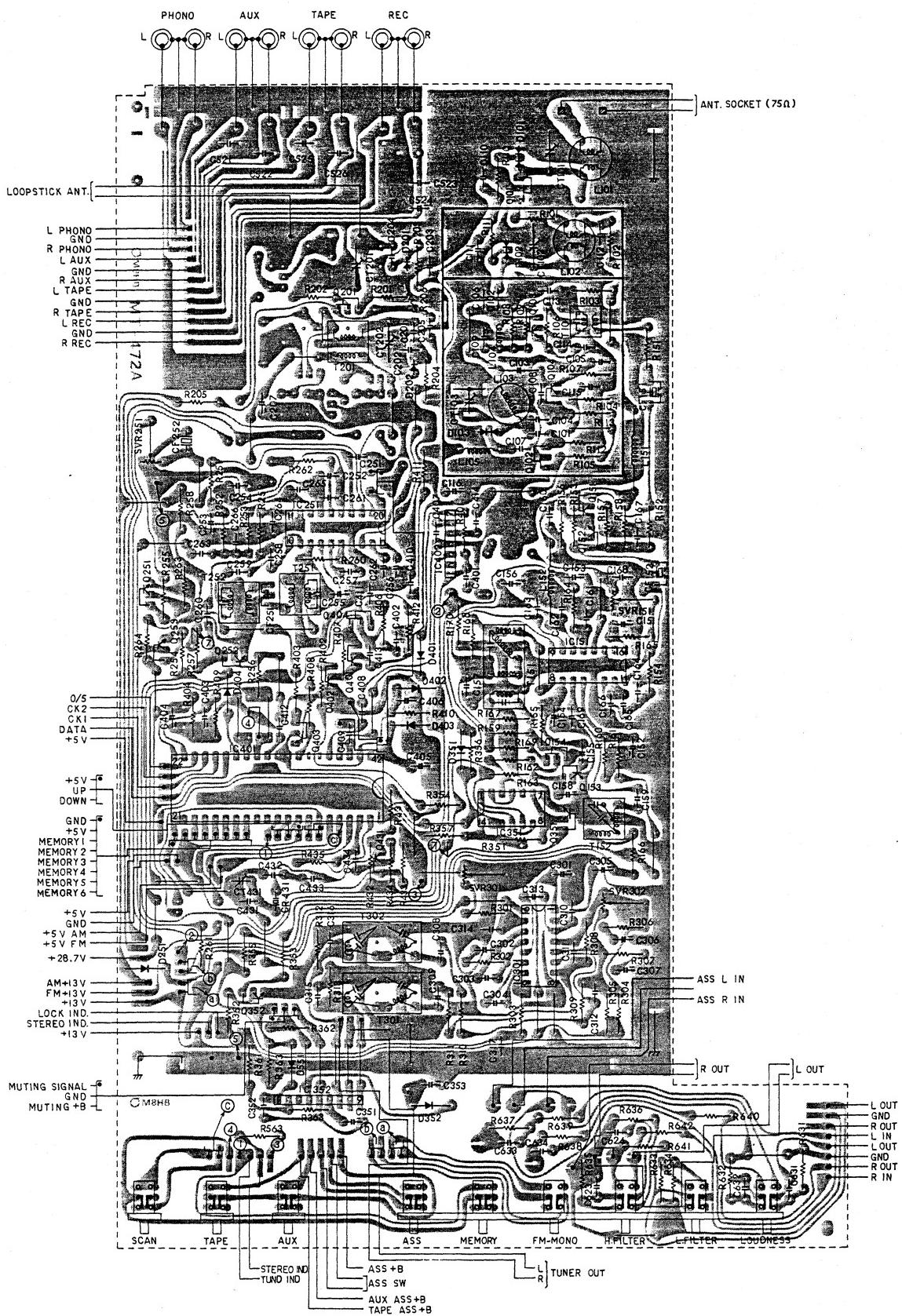
MAIN AMP. P.C. BOARD



ALIGNMENT COMPONENTS LAYOUT



TUNER & FUNCTIONS SW. P.C. BOARD



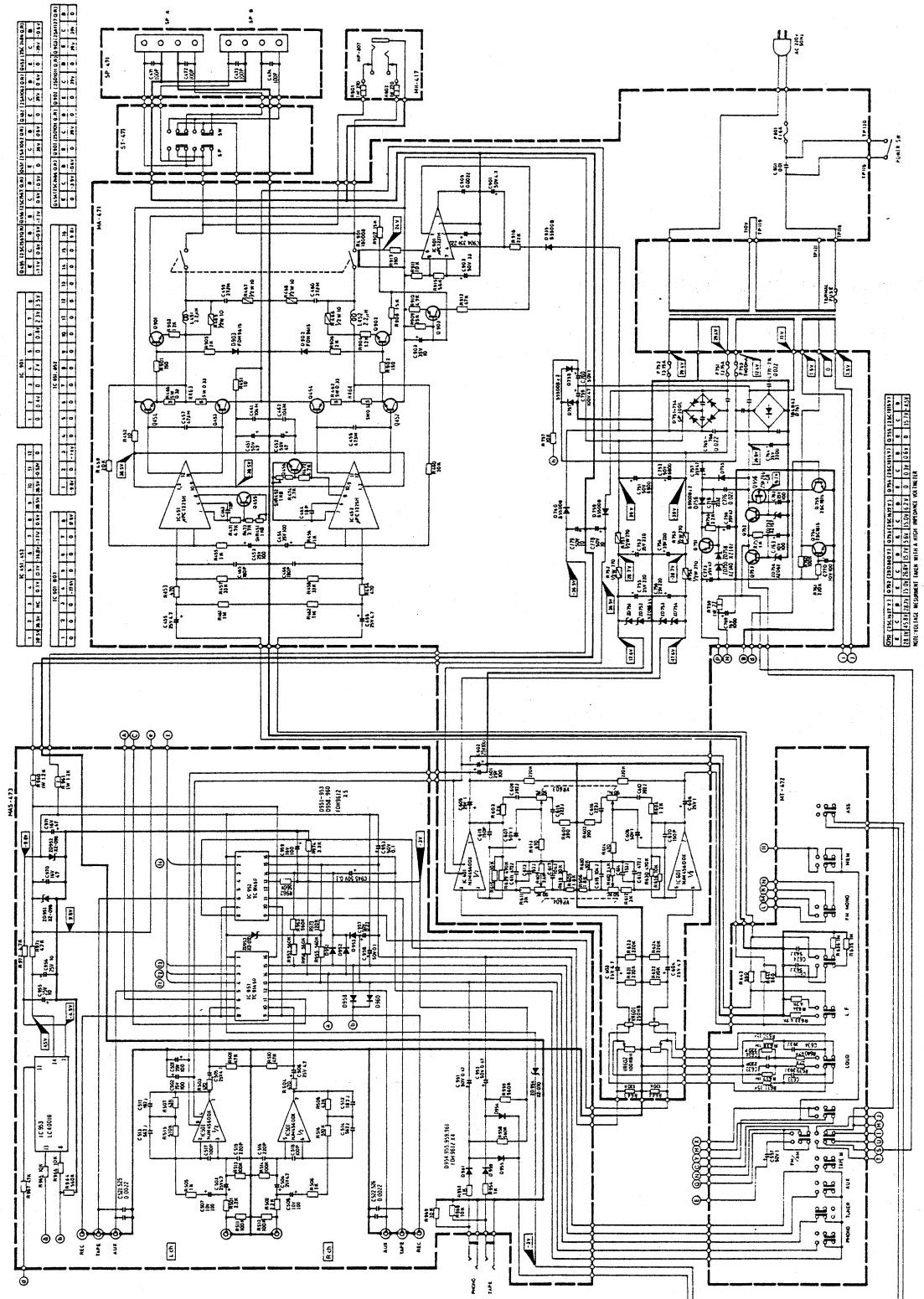
PARTS LIST

Part No.	Description	Symbol No.	Q'ty	Part No.	Description	Symbol No.	Q'ty
2SA1062-Q, R	Transistor	Q451, 452	2	SFU450B3	Ceramic filter	CF251	1
2SA1127-Q, R	Transistor	Q903	1	HC18/U7.199MHZ	Quartz oscillator unit	CR431	1
2SC1567-Q, R	Transistor	Q455, 456	2	EWGG0A013C54	Potentiometer	VR603, 604	2
2SC1627A-Y	Transistor	Q751, 753	2	EWGG0A013375	Potentiometer	VR602	1
2SC1815-GR	Transistor	Q251, 252	2	EWK8CA013BF5	Potentiometer	VR601	1
2SC1815-Y	Transistor	Q153, 351, 352 401~403, 431 701, 702, 754 755	11	ESB827S	Power switch		1
2SC2486-Q, R	Transistor	Q453, 454	2	ESB62372	Push switch		1
2SC2668-O	Transistor	Q103, 104	2	ESB6251	Push switch		1
2SC2669-O	Transistor	Q151, 152	2	ESB6253	Push switch		4
2SC2878-B	Transistor	Q253	1	ESB6262	Push switch		1
2SD1011-Q, R	Transistor	Q901, 902	2	SW-1401106	Push switch		1
2SD880-Y	Transistor	Q752	1	EVQQQR04K	Light-touch switch	S501~506, 758 759	8
2SK161-GR	Transistor	Q102, 201	2	7-MT-08ZK	Fluorescence lamp	FL701	1
2SK241-GR	Transistor	Q101	1	AJC-002-AAB	RCA jack 4P		2
2SK246-GR	Transistor	Q756	1	HLJ0307-01-040	H.P. jack	HP401	1
2SK246-Y	Transistor	Q154	1	HSJ0780-01-010	MIC jack		2
2SK301-Q	Transistor	Q404	1	FUH-002	Fuse holder		8
FDH9612	Diode	D251, 352, 404, 951~955 958~961	12	TCP9106-01-101	Socket, co-axial		1
FDH9615	Diode	D401, 402, 551, 901, 902	5	PT-S08P12	Socket 8P (S.P.)		1
OA99	Diode	D351	1	MC02-185	Micro socket ass'y		1
S5500B	Diode	D755~760, 903	7	MC03-188	Micro socket ass'y		1
XZ062	Diode	ZD756	1	MC04-182	Micro socket ass'y		1
XZ070	Diode	ZD953, 954	2	MC04-187	Micro socket ass'y		1
XZ088	Diode	ZD751~754	4	MC05-184	Micro socket ass'y		1
XZ098	Diode	ZD951, 952	2	MC05-186	Micro socket ass'y		1
XZ140	Diode	ZD755	1	MC05-192	Micro socket ass'y		1
XZ147	Diode	ZD758	1	MC06-183	Micro socket ass'y		1
XZ157	Diode	ZD757	1	MC12-181	Micro socket ass'y		1
1B4B42	Diode	D761	1	171825-12	Micro socket ass'y		1
1SV1020, L	Diode	D201, 202	2	171825-2	Micro socket ass'y		1
1SV103A	Diode	D103	1	171825-3	Micro socket ass'y		1
1SV103A, B	Diode	D101, 102	2	171825-4	Micro socket ass'y		2
GP30D-L	Diode	D751~754	4	171825-5	Micro socket ass'y		2
1N4002	Diode	D403	1	171825-6	Micro socket ass'y		1
GL9NG33	LED	D501	1	171826-5	Micro socket ass'y		1
GL9PR33	LED	D502~513	12	IMSA-1068-12D	Mini terminal plate		1
N0.18E	MICA	for Q451~454	4	NPT-1345S	Power transformer		1
N0.24B	MICA	for Q451~454	4	FU-521628T	Fuse	F754	1
AN7470	IC	IC301	1	FU-523128T	Fuse	F751, 752	2
LA1231NS	IC	IC151	1	FU-524018T	Fuse	F753	1
LA1245	IC	IC251	1	N43040	ANT. terminal		1
LC4001B	IC	IC953	1	RP-001	Terminal pin		27
LC4011B	IC	IC351	1	UB-0027	Terminal (GND.)		1
NJM4560DX	IC	IC501, 601	2	ANT-011	FM lead antenna		1
TA7324P	IC	IC352	1	PC-012	RCA pin board ass'y		2
TA9145P	IC	IC951, 952	2	D-449	Printed circuit board		1
TC9147P	IC	IC401	1	HP-471	Printed circuit board		1
TD6104P	IC	IC402	1	MA-471	Printed circuit board		1
TD6301AP	IC	IC701	1	MAS-473	Printed circuit board		1
UPC1225H	IC	IC451, 452	2	MH-419	Printed circuit board		1
UPC1237H	IC	IC901	1	MT-472	Printed circuit board		1
104001	Air-core coil	L451, 452	2	P-472	Printed circuit board		1
100024	Inductor	L104, 105	2	S-472	Printed circuit board		1
100025	Inductor	L151, 152	2	SP-471	Printed circuit board		1
127009A	FM RF coil	L101, 102	2	ST-471	Printed circuit board		1
140045	AM IFT	T251	1	U-451	Printed circuit board		1
140046	AM IFT	T252	1	180008	Relay	RL901	1
141021	FM IFT	T151	1	KA25ST100J	Carbon resistor	R451, 452	2
141028	FM IFT	T101	1	KA25ST101J	Carbon resistor	R258	1
143012	Filter coil	T152	1	KA25ST102J	Carbon resistor	R106, 253, 302 352, 411, 455 456, 505, 506 563, 564, 755 953, 954	14
143013	Filter coil	T301, 302	2	KA25ST103J	Carbon resistor	R165, 251, 252 306, 307, 354 356, 406, 408 615, 616, 757 911, 965, 966 968, 969	17
135016	MW OSC coil	T201	1				
190014	FM OSC coil	L103	1				
125022	Loopstick ANT.		1				
BUF450K	Ceramic filter	CF252	1				
KBF10.7MT-NAR	Ceramic filter	CF151	1				
KBF10.7MU-NA6R	Ceramic filter	CF152	1				

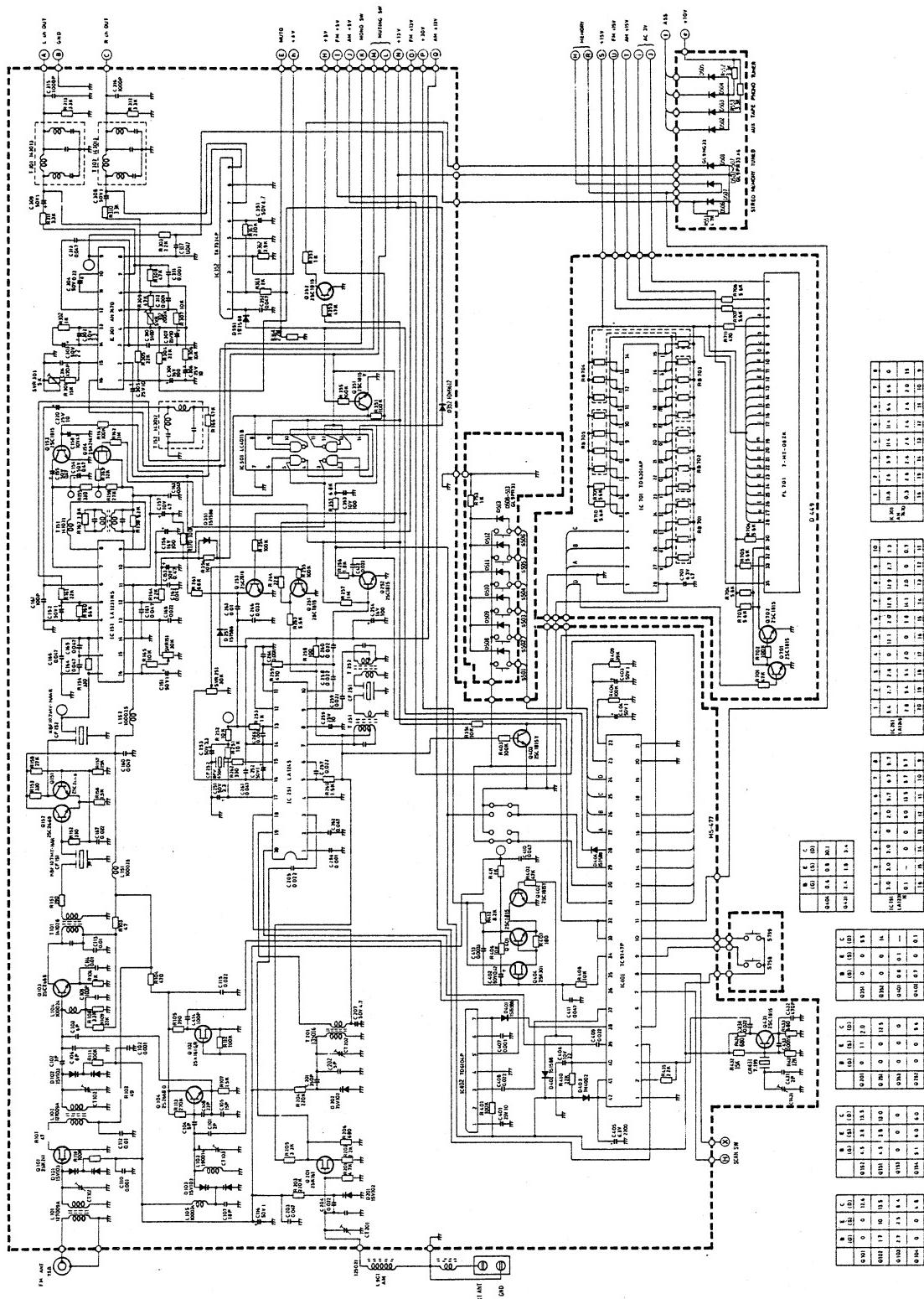
PARTS LIST

Part No.	Description	Symbol No.	Q'ty	Part No.	Description	Symbol No.	Q'ty
KA25ST104J	Carbon resistor	R110~112, 163 170, 254, 255 261, 351, 355 401, 403, 404 511~514, 702 760	19	SA-1WT270J SA-1WT271J MPC722R33KX2LF SVR-08T3B102 SVR-08T3B204 SVR-08T3B303 SVR-08T3B502 RK1/8B4562K LUB1H682MHS LL-25TW4R7M	Metal oxide resistor Metal oxide resistor Cement resistor Semi-variable resistor Semi-variable resistor Semi-variable resistor Semi-variable resistor Networks resistor Electrolytic capacitor Low leak. Electrolytic cap.	R759 R419, 420 R463, 464 SVR451, 452 SVR302 SVR151, 251 SVR301 RB701~705 C751, 752 C455, 456 503~506, 603 604 C605~608	1 2 2 2 1 2 1 5 2 8
KA25ST105J	Carbon resistor	R162, 257, 461 462, 635~638	8	LL-50TW1R0M	Low leak.		
KA25ST122J	Carbon resistor	R361, 603, 604 903, 904	5	MS-10TW101M	Electrolytic cap.	C353, 507, 508 763, 770	5
KA25ST123J	Carbon resistor	R169, 431	2	MS-10TW220M	Electrolytic capacitor	C406	1
KA25ST124J	Carbon resistor	R643, 644, 973	3	MS-10TW470M	Electrolytic capacitor	C157, 158	2
KA25ST151J	Carbon resistor	R901, 902	2	MS-16TW101M	Electrolytic capacitor	C156, 254, 301 959	4
KA25ST152J	Carbon resistor	R107, 156, 260	3	MS-16TW102M	Electrolytic capacitor	C769	1
KA25ST153J	Carbon resistor	R157, 301, 432 631, 632 907~909	8	MS-16TW470M	Electrolytic capacitor	C970, 971	2
KA25ST181J	Carbon resistor	R407	1	MS-25TW100M	Electrolytic capacitor	C195, 255 305~307, 401 955, 956	8
KA25ST182J	Carbon resistor	R167, 256, 605 606	4	MS-25TW101M	Electrolytic capacitor	C453, 454, 501 502, 601, 602 762	7
KA25ST202J	Carbon resistor	R905, 906	2	MS-25TW221M	Electrolytic capacitor	C755, 756	2
KA25ST203J	Carbon resistor	R459, 460	2	MS-35TW100M	Electrolytic capacitor	C903	1
KA25ST222J	Carbon resistor	R164, 202, 303 435, 501, 502 607, 608, 756	9	MS-35TW221M	Electrolytic capacitor	C753, 754, 904	3
KA25ST223J	Carbon resistor	R109, 161, 264 304, 305, 410 916	7	MS-35TW222M	Electrolytic capacitor	C764	1
KA25ST224J	Carbon resistor	R203, 204, 363 621~628, 761	12	MS-35TW470M	Electrolytic capacitor	C757, 758, 773	3
KA25ST225J	Carbon resistor	R364	1	MS-50TWR10M	Electrolytic capacitor	C953, 954, 958	3
KA25ST242J	Carbon resistor	R609, 610	2	MS-50TWR22M	Electrolytic capacitor	C304, 957	2
KA25ST272J	Carbon resistor	R473, 474	2	MS-50TWR47M	Electrolytic capacitor	C153~155 402, 951, 952	6
KA25ST273J	Carbon resistor	R158, 159	2	MS-50TW1R0M	Electrolytic capacitor	C116, 151, 152 252, 308, 309 403, 404, 524 557, 760, 761	12
KA25ST274J	Carbon resistor	R113	1	MS-50TW100M	Electrolytic capacitor	C778, 779	2
KA25ST302J	Carbon resistor	R611, 612	2	MS-50TW2R2M	Electrolytic capacitor	C303	1
KA25ST303J	Carbon resistor	R619, 620	2	MS-50TW3R3M	Electrolytic capacitor	C251, 253, 302	3
KA25ST331J	Carbon resistor	R152~155, 262	5	MS-50TW330M	Electrolytic capacitor	C902	1
KA25ST332J	Carbon resistor	R108, 310~313 974	6	MS-50TW4R7M	Electrolytic capacitor	C207, 351, 901	3
KA25ST333J	Carbon resistor	R457, 458	2	MS-50TW470M	Electrolytic capacitor	C451, 452	2
KA25ST391J	Carbon resistor	R105, 151, 601 602	4	MS-100TTW470M	Electrolytic capacitor	C759	1
KA25ST392J	Carbon resistor	R362	1	MS6R3TW222M	Electrolytic capacitor	C405	1
KA25ST393J	Carbon resistor	R409	1	MS6R3TW470M	Electrolytic capacitor	C701	1
KA25ST433J	Carbon resistor	R507, 508	2	MY-50VS104J	Mylar capacitor	C617, 618	2
KA25ST470J	Carbon resistor	R101~103	3	MY-50VS104M	Mylar capacitor	C461, 462	2
KA25ST471J	Carbon resistor	R104, 259, 453 454, 503, 504 613, 614, 711	9	MY-50VS153J	Mylar capacitor	C613, 614	2
KA25ST472J	Carbon resistor	R471, 472, 551 633, 634, 910 971, 972	8	MY-50VS182J	Mylar capacitor	C511, 512	2
KA25ST473J	Carbon resistor	R166, 308, 309 353, 402, 509 510, 639, 640 701, 912, 967	12	MY-50VS223J	Mylar capacitor	C615, 616, 905	3
KA25ST474J	Carbon resistor	R629, 630	2	MY-50VS273M	Mylar capacitor	C459, 460	2
KA25ST475J	Carbon resistor	R201	1	MY-50VS333J	Mylar capacitor	C266	1
KA25ST514J	Carbon resistor	R515, 516	2	MY-50VS392J	Mylar capacitor	C609, 610	2
KA25ST561J	Carbon resistor	R641, 642	2	MY-50VS393J	Mylar capacitor	C631, 632	2
KA25ST562J	Carbon resistor	R263, 552, 553, 703~710	11	MY-50VS472J	Mylar capacitor	C611, 612	2
KA25ST563J	Carbon resistor	R160, 913~915	4	MY-50VS473M	Mylar capacitor	C457, 458	2
KA25ST564J	Carbon resistor	R955~959 962~964	8	MY-50VS562J	Mylar capacitor	C513, 514	2
KA25ST681J	Carbon resistor	R433, 434	2	MY-50VS563J	Mylar capacitor	C623, 624	2
KA25ST682J	Carbon resistor	R357	1	ST-50VS351J	Styrol capacitor	C201	1
KA25ST822J	Carbon resistor	R168, 412	2	ST-50VS471J	Styrol capacitor	C314	1
KA50ST100J	Carbon resistor	R465~468	4	HC10SJZF473Z	Ceramic capacitor	C160~166, 203 261, 262, 317 352, 420, 411 427, 428, 523	17
KA50ST271J	Carbon resistor	R751~754	4	HE10SJZF473Z	Ceramic capacitor	C313	1
KA50ST391J	Carbon resistor	R917	1	HE40SJRH180K	Ceramic capacitor	C107	1
SA-1WT122J	Metal oxide resistor	R960, 961	2	HE40SJSLO20D	Ceramic capacitor	C101, 431	2
				HE40SJSLO30D	Ceramic capacitor	C102	1

CIRCUIT DIAGRAM (AMP.)



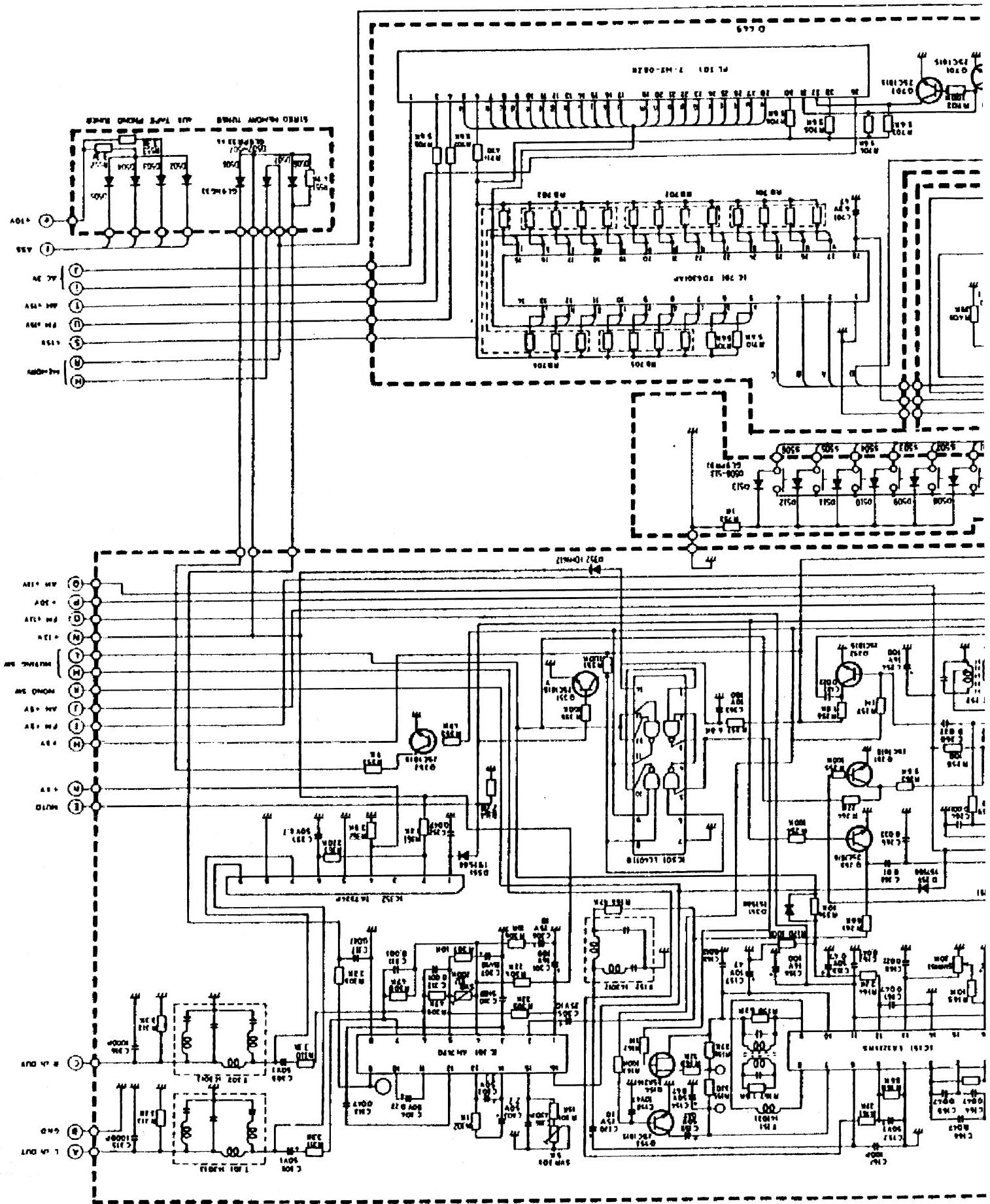
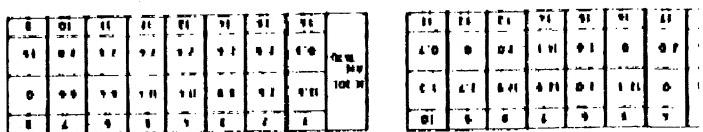
CIRCUIT DIAGRAM (TUNER)

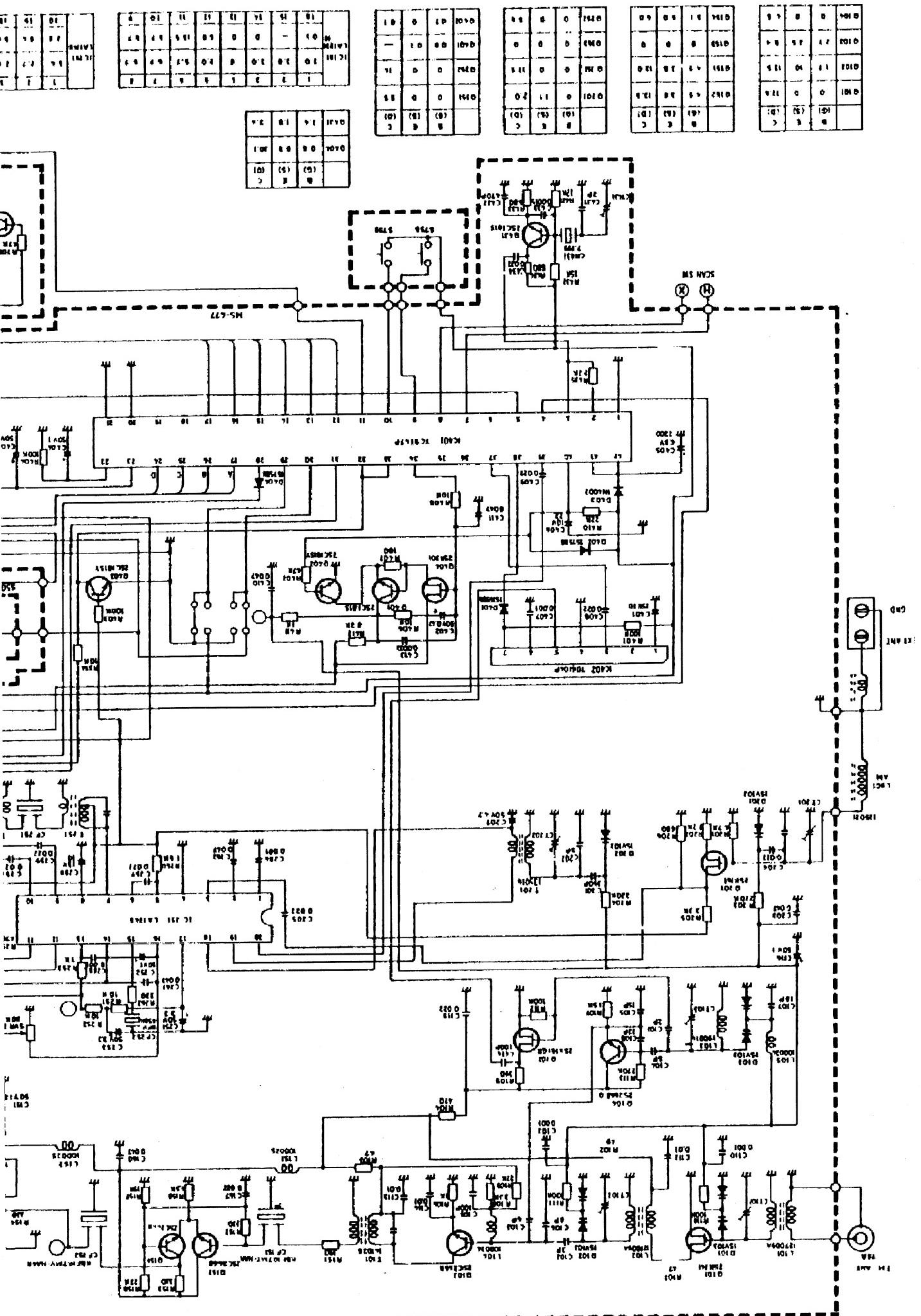


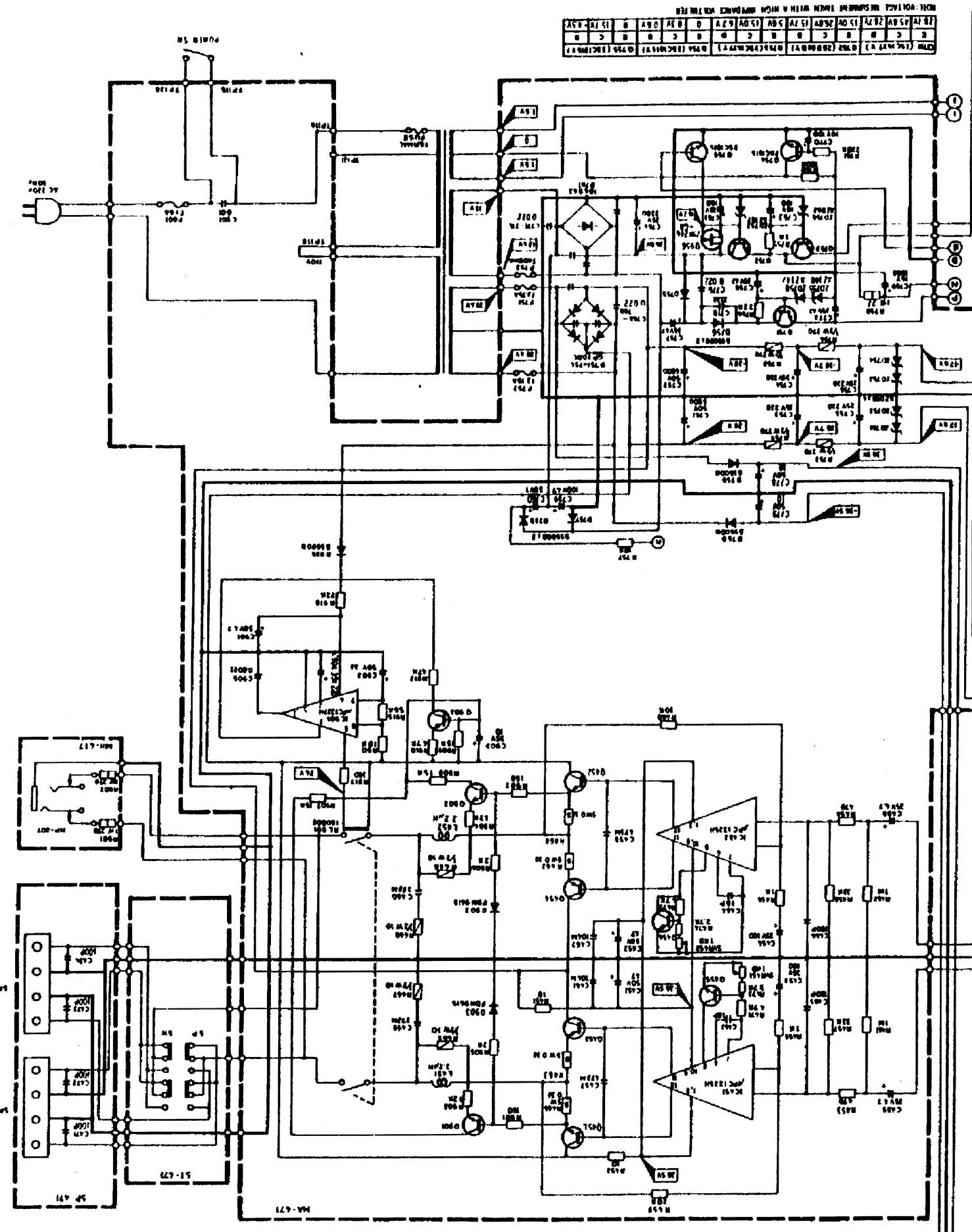
PARTS LIST

Part No.	Description	Symbol No.	Q'ty
HE40SJSL050D	Ceramic capacitor	C202	1
HE40SJSL060D	Ceramic capacitor	C103	1
HE40SJSL080D	Ceramic capacitor	C104	1
HE40SJSL180K	Ceramic capacitor	C106, 463, 464	3
HE40SJTH150K	Ceramic capacitor	C105	1
HE40SJTH220K	Ceramic capacitor	C108	1
HE40SJYB101K	Ceramic capacitor	C169, 414 471~474, 479 480, 517, 518	10
HE40SJYB151K	Ceramic capacitor	C619, 620	2
HE40SJYB181K	Ceramic capacitor	C465, 466	2
HE40SJYB221K	Ceramic capacitor	C515, 516, 633 634	4
HE50SJSL101K	Ceramic capacitor	C109	1
HE50SJYB102K	Ceramic capacitor	C110, 111, 256 264, 265, 311 312, 315, 316 407	10
HE50SJYB152K	Ceramic capacitor	C433	1
HE50SJYB222K	Ceramic capacitor	C521, 522, 525 526	4
HE70SJYB332K	Ceramic capacitor	C413	1
HE70SJYF103Z	Ceramic capacitor	C112, 113, 114, 263	4
HE90SJSL471K	Ceramic capacitor	C432	1
HE90SJSL511K	Ceramic capacitor	C310	1
HE90SJYB562K	Ceramic capacitor	C425, 426	2
HE90SJYF223Z	Ceramic capacitor	C115, 167, 168 204, 205, 257~260, 408 409, 412, 434	13
H11SEYF223Z	Ceramic capacitor	C765~768 771~776	10
AT1-53-9	Trimmer capacitor	CT101, 102, 201	3
AT1-53-9W	Trimmer capacitor	CT202	1
CTZ51F147	Trimmer capacitor	CT431	1
CTZ81C122	Trimmer capacitor	CT103	1
ECQU2A103MF	Metallized film capacitor	C780	1
ACC-005	Line cord		1
SR-3P-4	Cord stopper		1
N10262	Front panel		1
N43430	Display window		1
N43097	Filter		1
N21026A-BR	Cabinet		1
N21049	Bottom board		1
N0.7103	Foot		4
N21036	Rear panel		1
N43240-BR	Knob (Tuning)		1
N43019-BR	Knob 31		4
N30667-BR-6	Push button		1
N43017-BR	Push button		14
N30688	Side chassis R		1
N30687	Side chassis L		1
N21037	Center chassis A		1
N30676	Center chassis B		1
N20914B	Support chassis (P.T.)		1
N43437	Spacer		12
N43296	Shield cover		1
N42781	Shield plate		1
N43052	GND plate A		1

Part No.	Description	Symbol No.	Q'ty
N43241	Shield cover		1
N43242	Shield plate		1
N43502	Shield plate A		1
N43503	Shield plate B		1
N43058	Fittings (Headphone jack)		1
N43379	Angle C (Switch)		1
N43047	Fittings A (P.C.B.)		1
N43380	Fittings A (P.C.B.)		1
N43381	Fittings B (P.C.B.)		1
N43382	Fittings C (P.C.B.)		2
N43393	Angle (P.C.B.)		1
N43375	Fittings F (Heat sink)		1
N43376	Fittings R (Heat sink)		1
N42887	Fittings (P.T.)		2
N30675	Heat sink		for Q451~456
N43501	Heat sink		1
SH-1230	Heat sink		for IC451, 452
13823-6X9	Knob spacer		1
N42886	Cabinet mat		for Q752
N43463	Universal spacer		12
N43431	Shipping carton		1
N21028	Packing pad		2
N41318	Polyethylene bag (Unit)		1
N40487	Polyethylene bag (Accessories)		1
N43160	Label, serial number		2
OM-388	Instruction manual		1
FT-003	FTZ sheet		1
C-010	Circuit diagram		1
TBB+30X08-Y	Tap screw B, Bind head, Y		8
TPM+30X08-N	Tap screw P, Round head, N		19
TPS+30X08-N	Tap screw P, Flat head, N		3
TSB+30X06-N	Tap screw S, Bind head, N		9
TSB+30X06-Y	Tap screw S, Bind head, Y		26
TSB+30X08-Y	Tap screw S, Bind head, Y		1
TSB+30X10-Y	Tap screw S, Bind head, Y		4
TSB+40X08-N	Tap screw S, Bind head, N		4
TSB+40X10-N	Tap screw S, Bind head, N		4
TSB+40X14-Y	Tap screw S, Bind head, N		3
TSC+30X06-Y	Tap screw S, Bind head, Y		19
TSC+30X08-N	Tap screw S, Washer faced, Y		13
2AWX0830-05-N	Tap screw S, Washer faced, N		1
2AWX1040-08-N	Plain washer, N		4
VJR-3	Plain washer, N		1
2AE-03	Snake lug		4
59BS1692	Solder lug		4
59BS4795	GND lug		5
	Terminal lug		2







Φ	ΑΙΣΧΟΙ	ΑΙΣ ΒΕΙ	ΑΙΣ ΒΗ	ΑΙΣ Β	ΑΙΣ ΒΕΙ	ΑΙΣΒΕΙ	ΑΙΣ Β	ΑΙΣ Β	ΑΙΣ	ΑΙΣ	ΑΙΣ	ΑΙΣ
ΕΙ	01	04	0	0	4	9	5	7	5	8	8	8

